

Abstract

This final project discusses the design of the back-end for the Mitra.ID website using the iterative incremental method. Mitra.ID is a platform that aims to bring producers and resellers together to facilitate mutually beneficial collaborations. The research focuses on developing an efficient and responsive back-end system to ensure optimal service quality and suitability. In the analysis phase, both functional and non-functional requirements of the platform are identified, and suitable structures and architectures are determined. The design phase emphasizes detailed back-end design, including the selection of appropriate technologies and tools to meet the platform's needs. By applying the iterative incremental method, the back-end implementation is carried out gradually, allowing for enhancements and adjustments based on user feedback. The testing process includes functionality, performance, and security testing to ensure the overall system's quality. The results of this research are expected to enhance the efficiency and reliability of the Mitra.ID platform, providing a better user experience. The use of the iterative incremental method in back-end design is crucial to adapt to changing needs and market dynamics, enabling Mitra.ID to continuously adapt and evolve to meet industry demands.

Keywords: Mitra.ID, Back-end, Iterative Incremental Method, Website Development, Producers, Resellers, Efficiency, User Experience.